

The **ASTER** imaging sensor on NASA's Terra Platform
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The Advanced Spaceborne Thermal Emission and Reflectance Radiometer will be launched on NASA's EOS Terra platform in July, 1999. ASTER acquires 14 channels of data in the visible through the thermal infrared wavelength regions, at spatial resolutions of 15, 30 or 90 m depending on wavelength. Images are 60x60 km, with a revisit time of 16 days or less. Nadir and aft looking visible band provides stereo coverage, allowing creation of DEM's with 15 m accuracy. This presentation will illustrate applications of ASTER data for many disciplines, including geologic mapping, land use, water temperature determination, vegetation monitoring, etc. The data will be freely available through the EOS Data and Information System.